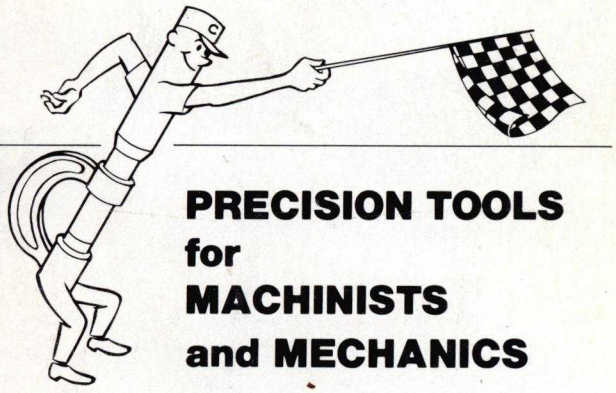
CATALOG 7879

ETD INC.
751 East Broadway
DES MOINES, IOWA 50313
Ph. 282-7446

Central



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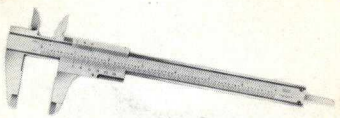

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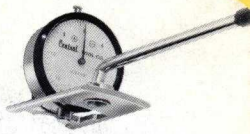

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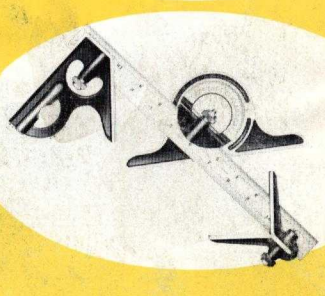
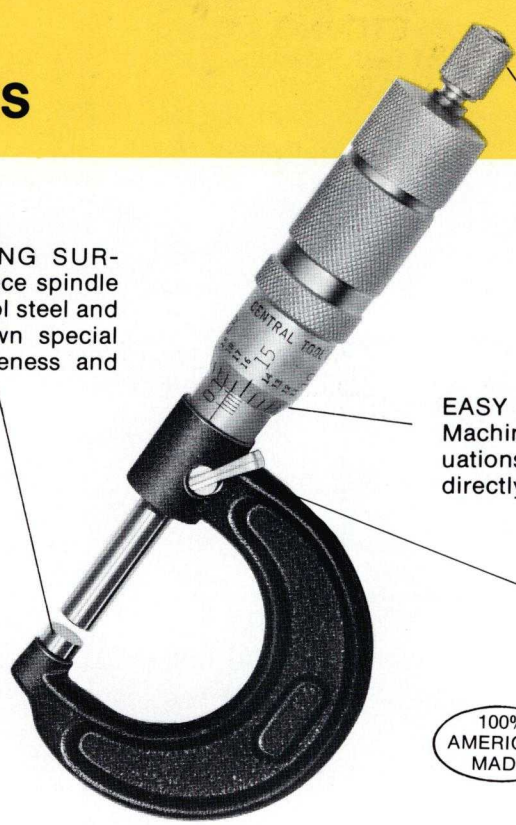


CENTRAL TOOL COMPANY, INC.
CRANSTON, RHODE ISLAND 02910
(401) 467-8211

MICROMETERS



EXTRA HARD MEASURING SURFACES — Anvil and one piece spindle are made of finest quality tool steel and carefully lapped on our own special machinery to assure squareness and parallelism.

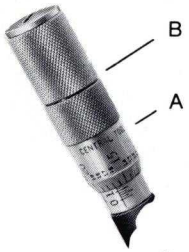
SIMPLIFIED ZERO ADJUSTMENT lets you reset your Central mike without need for a special wrench.

FRICTION STOP — Provides uniform pressure under all measuring conditions.

EASY READING GRADUATIONS — Machine spaced. All thousandths graduations are numbered so you can read directly without counting.

SPINDLE LOCK — Holds spindle securely for transferring measurements.

100% AMERICAN MADE



I BEAM FRAME — Drop forged to withstand hard useage.

FRICTION THIMBLE — Precise spindle friction control within reach of your finger tips. Two-piece thimble. Bottom half (A) permits direct control. Upper half (B) for friction control.

FULL FINISH FRAME — Drop forged with satin chrome finish. Contains table of decimal equivalents to 1/64ths. (No table on metric models.)

I BEAM FRAME

ENGLISH MODEL	ENGLISH RANGE	FEATURES	METRIC MODEL	METRIC RANGE
12 12R 12RL 712L	0-1″	 Friction stop Friction stop, Spindle lock Friction thimble, Spindle lock	12M 12RM 12RLM 712LM	25-50 mm
22 22RL 722L	1-2″	 Friction stop, Spindle lock Friction thimble, Spindle lock	22M 22RLM 722LM	50-100 mm
32 32RL 732L	2-3″	 Friction stop, Spindle lock Friction thimble, Spindle lock	32M 32RLM 732LM	50-75 mm
42 42RL 742L	3-4″	 Friction stop, Spindle lock Friction thimble, Spindle lock	42M 42RLM 742LM	75-100 mm
52 52RL 752L	4-5″	 Friction stop, Spindle lock Friction thimble, Spindle lock	52M 52RLM 752LM	100-125 mm
62 62RL 762L	5-6″	 Friction stop, Spindle lock Friction thimble, Spindle lock	62 62RLM 762LM	125-150 mm

METRIC READING — All models are available in metric. No extra charge. Select model from table and add M after number. (Example: 12RLM).

STANDARDS — Available for all models but not included with individual micrometers.

CARBIDE FACES and **TENTH GRADS** (.0001″) are available on all models that have spindle lock with either friction thimble or friction stop, at slight extra charge. Add CV after part number (example: 12RLCV). Not available on ball anvil or metric micrometers.

FULL FINISH FRAME

ENGLISH MODEL	ENGLISH RANGE	FEATURES	METRIC MODEL	METRIC RANGE
11 11RL 71 71L	0-1″	 Friction stop, Spindle lock Friction thimble Friction thimble, Spindle lock	11M 11RLM 71M 71LM	0-25 mm

MICROMETER SETS

METRIC READING — All Sets are available with metric micrometers. Select Set from table and add M after number. (Example: 30M.) No extra charge.

CARBIDE FACES and .0001" grads are available on all Sets with micrometers that have spindle lock with either friction thimble or friction stop at slight extra charge. Add CV after Set number. (Example: 30RLCV.) Not available for metric Sets.

RANGE	SET	MICROMETERS INCLUDED	FEATURES
0-3"	30	12, 22, 32	
	30RL	12RL, 22RL, 32RL	Friction stop, Spindle lock
	35	11*, 22, 32	
	35RL	11RL*, 22RL, 32RL	Friction stop, Spindle lock
	730L	712L, 722L, 732L	Friction thimble, Spindle lock
	735L	71L*, 722L, 732L	Friction thimble, Spindle lock
	CASE — 4013		
0-4"	40	12, 22, 32, 42	
	40RL	12RL, 22RL, 32RL, 42RL	Friction stop, Spindle lock
	45	11*, 22, 32, 42	
	45RL	11RL*, 22RL, 32RL, 42RL	Friction stop, Spindle lock
	740L	712L, 722L, 732L, 742L	Friction thimble, Spindle lock
	745L	71L*, 722L, 732L, 742L	Friction thimble, Spindle lock
	CASE — 4014		
0-6"	60	12, 22, 32, 42, 52, 62	
	60RL	12RL, 22RL, 32RL, 42RL, 52RL, 62RL	Friction stop, Spindle lock
	65	11*, 22, 32, 42, 52, 62	
	65RL	11RL*, 22RL, 32RL, 42RL, 52RL, 62RL	Friction stop, Spindle lock
	760L	712L, 722L, 732L, 742L, 752L, 762L	Friction thimble, Spindle lock
	765L	71L*, 722L, 732L, 742L, 752L, 762L	Friction thimble, Spindle lock
	CASE — 4015		

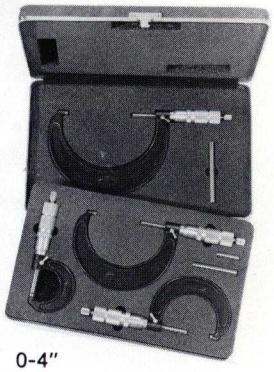
*Full finish frame model. All others are I beam frame.
Also available in Metric. Add M to number (e.g. 30M, 30RLM, etc.)
Metric ranges: 0-75mm, 0-100mm, 0-150mm

30RL

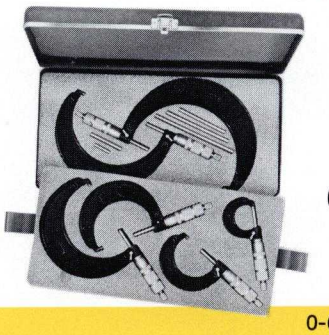
0-3"

40RL

ALL SETS IN FITTED CASE WITH STANDARDS



0-4"



60RL

0-6"

SUPREME MICROMETER Display packaged on card

Range: 0-1" Grads: .001" Accurate to .0005"
An economically priced, general purpose measuring tool for the mechanic. Both spindle and anvil are hardened and ground. With friction stop, satin chrome barrel with baked enamel frame.

150

BALL ANVIL MICROMETERS

Range: 0-1" Grads: .001"
For measuring bearing inserts and other curved surfaces. Available in metric. Add M after model number. Not available with .0001" grads or carbide measuring surfaces.

I BEAM FRAME	
NUMBER	FEATURES
25RL	Friction Stop, Spindle lock
725L	Friction Thimble, Spindle lock

FULL FINISH FRAME	
NUMBER	FEATURES
15RL	Friction Stop, Spindle lock
715L	Friction Thimble, Spindle lock

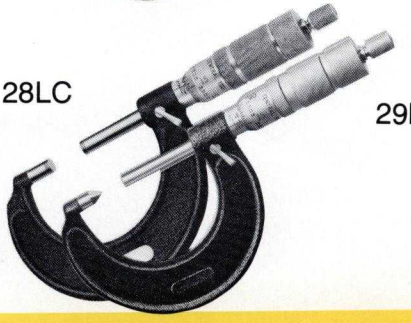
25RL

DISC BRAKE MICROMETERS

Two, high-accuracy micrometers for measuring thickness and thickness variation of rotors on all cars. Each has .300" to 1.30" range, .0005" grads, and comes with a 1" standard.

28LC — Has friction stop and spindle lock, carbide measuring surfaces.

29L — Has pointed anvil to check score depth. Equipped with friction stop and spindle lock.



28LC

29L

MICROMETERS

44L

85

80

146

34

55R

100% AMERICAN MADE

RANGE MICROMETERS

Can be quickly set to measure everything from a pin to a piston.

Most measurements in automotive repair work fall within the extended range of these special micrometers. Three interchangeable anvil extensions are adjustable with knurled locking collar. Crowned anvil surface eliminates gagging. Satin chrome finish. Drop forged steel I Beam frame with baked enamel finish. Fitted case includes standards. Not available with .0001" reading

RANGE	NUMBER	GRADS	FRICTION STOP	FRICTION THIMBLE	SPINDLE LOCK
0-4"	44L	.001"	X		X
0-4"	744L	.001"		X	X
0-100mm	44LM	.01mm	X		X
0-100mm	744LM	.01mm		X	X

Case-4016

INSIDE MICROMETERS

Complete with all extensions in a fitted case. Satin chrome finish. English or metric measure. Not available in .0001" graduations.

TUBULAR TYPE

No. 80 — Range 1.5"-8"
No. 81 — Range 1.5"-12"
No. 80M — Range 37.5-200mm
No. 81M — Range 37.5-300mm

ROD TYPE

No. 85 — Range 2"-8"
No. 86 — Range 2"-12.5"
No. 85M — Range 50-200mm
No. 86M — Range 50-312mm

DEPTH MICROMETERS

Graduation numbers read right side up when gage is in measuring position. Satin chrome finish. Complete in fitted case with extension rods. English or metric. Not available in .0001" graduations.

ENGLISH			
NUMBER	GRADS	RANGE	BASE LENGTH
103	.001"	0-3"	2½"
106	.001"	0-6"	2½"
143	.001"	0-3"	4"
146	.001"	0-6"	4"

METRIC			
NUMBER	GRADS	RANGE	BASE LENGTH
103M	.01mm	0- 75mm	2½"
106M	.01mm	0-150mm	2½"
143M	.01mm	0- 75mm	4"
146M	.01mm	0-150mm	4"

COMBINATION SETS

Brings together the micrometers needed to cover a wide range of outside, inside and depth measurements, all in a handy, fitted case.

SET NUMBER	INCLUDES MICROMETERS:		
	OUTSIDE	INSIDE	DEPTH
33	44L	85	103
33M	44LM	85M	103M
34	44L & 50LC	85	103

NOTE: Set 34 covers most measurements required in automotive repair work. Includes 50LC Crankshaft Journal Micrometer.

STANDARDS

Made of finest quality special alloy steel. Hardened, ground, with faces lapped parallel.

No. 401 1" — No. 401M 25mm
No. 402 2" — No. 402M 50mm
No. 403 3" — No. 403M 75mm
No. 404 4" — No. 404M 100mm
No. 405 5" — No. 405M 125mm

SETS
No. 407 1"-5" No. 407M 25-125mm

MICROMETER HEADS

Same fine quality heads as used in Central's high performance micrometers. Range: 0-1". Grads: .001". Shank length: 11/16". Shank diameter: ⅜".

No. 55 — without friction stop
No. 55R — with friction stop

100% AMERICAN MADE

TORQUE WRENCHES

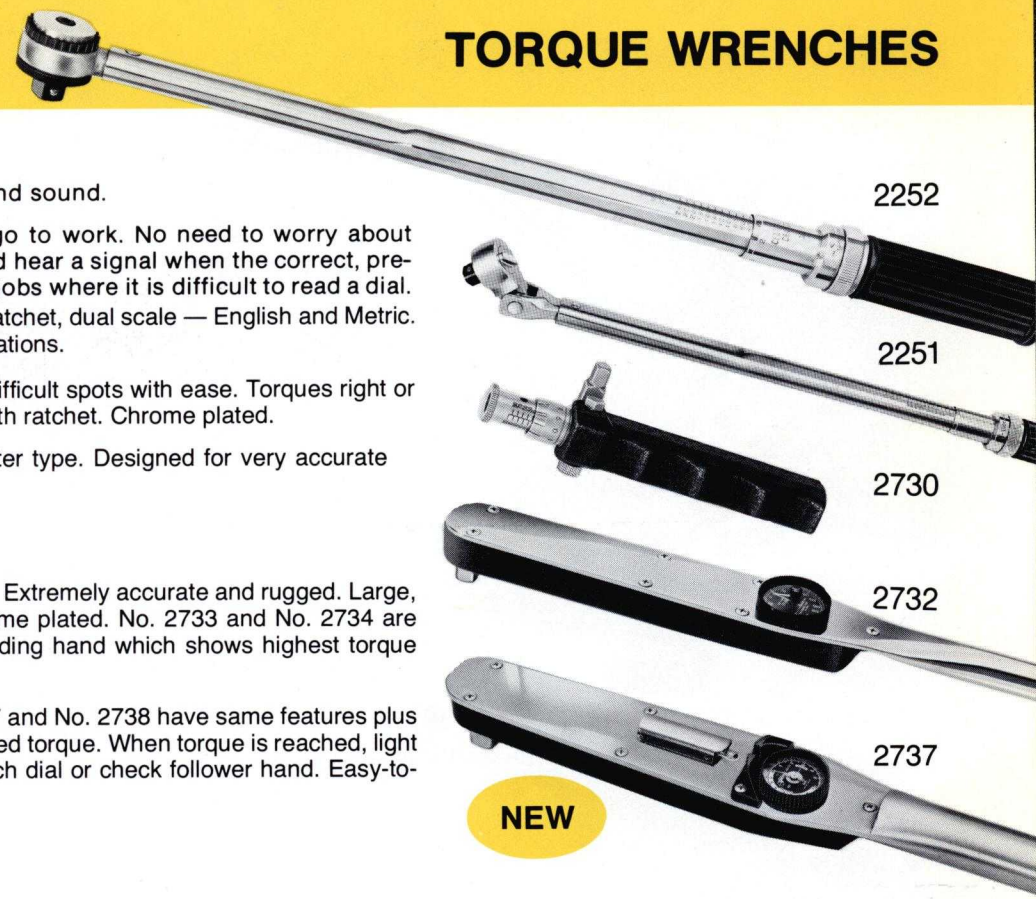
MICROMETER TYPE

Automatically signals by feel and sound.

Just set these wrenches and go to work. No need to worry about getting a reading. You'll feel and hear a signal when the correct, pre-set torque is reached. Ideal for jobs where it is difficult to read a dial. Torques to left or right, 45 tooth ratchet, dual scale — English and Metric. Meets U.S. Government Specifications.

FLEX HEAD — Reaches those difficult spots with ease. Torques right or left. Heavy duty hand grip, 45 tooth ratchet. Chrome plated.

TORKY — midget size micrometer type. Designed for very accurate torqueing to small values.



DIAL READING TYPE

Dual scale — English and Metric. Extremely accurate and rugged. Large, easy-to-read dial numbers. Chrome plated. No. 2733 and No. 2734 are equipped with auxiliary max. reading hand which shows highest torque reached.

LIGHT SIGNALLING — No. 2737 and No. 2738 have same features plus a light signal. Preset light to desired torque. When torque is reached, light goes on. Eliminates need to watch dial or check follower hand. Easy-to-read numbers and grads.

SPECIFICATIONS

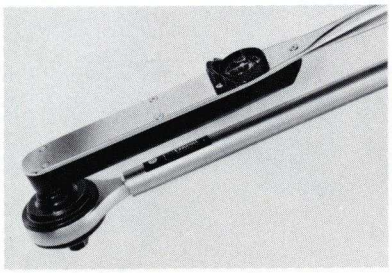
TYPE	NUMBER	RANGE ENGLISH	RANGE METRIC	DRIVE	GRADS	LENGTH (in)	WEIGHT (lbs)
MICROMETER	2020R	30- 200 in/lbs	40-263 cm/kg	¼" ratchet	1	9.5	.7
	2025R	30- 250 in/lbs	40-293 cm/kg	⅜" ratchet	1	13.4	1.6
	2100R	15- 100 ft/lbs	2.4-14 m/kg	⅜" ratchet	½	14.6	2
	2252	30- 250 ft/lbs	4.8-35 m/kg	½" ratchet	1	20.6	2.8
	2601	100- 600 ft/lbs	15.6-84 m/kg	¾" plain	2½	40	9.5
	2601R	100- 600 ft/lbs	15.6-84 m/kg	¾" ratchet	2½	40	10.5
	2700	400-2000 ft/lbs	56-280 m/kg	1" plain	5	105	54
Flex Head	2251	30- 250 ft/lbs	4.8-35 m/kg	½" ratchet	1	22	3
Torky	2730	10- 100 in/lbs		¼" plain		5.5	.7
DIAL READING	2731	25- 250 in/lbs	40-293 cm/kg	⅜" plain	5	15	1.7
	2732	25- 250 ft/lbs	4.8-35 m/kg	½" plain	10	24.5	3.7
	2733	60- 600 ft/lbs	15.6-84 m/kg	¾" plain	10	46.5	10.5
	2734	100-1000 ft/lbs	28-140 m/kg	1" plain	25	74	18.3
	2735	15- 150 in/lbs	30-175 cm/kg	⅜" plain	5	10	1.7
Coal mine use	2736	35-350 ft./lbs.		¾" plain	10	27.5	6.2
Light signal	2737	60-600 ft./lbs.	15.6-84 m/kg	¾" plain	10	46.5	10.5
Light signal	2738	100-1000 ft./lbs.	28-140 m/kg	1" plain	25	74	18.3
Coal mine use	2739	25-250 ft./lbs.		¾" plain	10	24.5	3.7

TORQUE MULTIPLIERS

Use of a Torque Multiplier expands the range of a torque wrench by the ratio of the multiplier. Designed with four pinion gears in a compact housing.

NUMBER	RATIO	INPUT DRIVE	OUTPUT DRIVE	MAX. CAPACITY	WEIGHT
2722	4:1	½"	¾"	1,000 ft/lbs	7 lbs.
2723	4:1	¾"	1"	2,000 ft/lbs	14 lbs.
2724	4.33:1	1"	1½"	4,000 ft/lbs	35 lbs.
2725	4.33:1	1"	1½"	8,000 ft/lbs	47 lbs.
2726	6:1	1"	2½"	12,000 ft/lbs	78 lbs.
2727[1]	4:1	¾"	1"	2000 lbs.	15 lbs.
2728[2]	14.3:1	¾"	1½"	3000 lbs.	30 lbs.

1 Anti-backlash 2 Double reduction



Torque wrench set up on a multiplier.

DIAL INDICATOR SETS

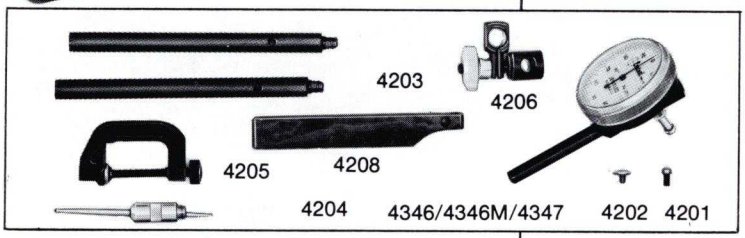
100% AMERICAN MADE

200

UNIVERSAL SETS

All sets are complete with jeweled bearing indicator with 1½" diameter bezel, rear mounted plunger, 2 extra contacts, Indicator Holding Rod (2 sections), Hole Attachment for checking bores, Indicator C-Clamp, Universal Rod Connector and Tool Post Holder. Furnished in fitted case.

SET NUMBER	DIAL INDICATOR			
	RANGE	GRADS	READING	INDICATOR NUMBER
200	.200"	.001"	0-100	4346
201	.200"	.001"	0-50-0	4347
200M	5.0mm	.02mm	0-2	4346M



SETS CONTAIN THE FOLLOWING COMPONENTS:

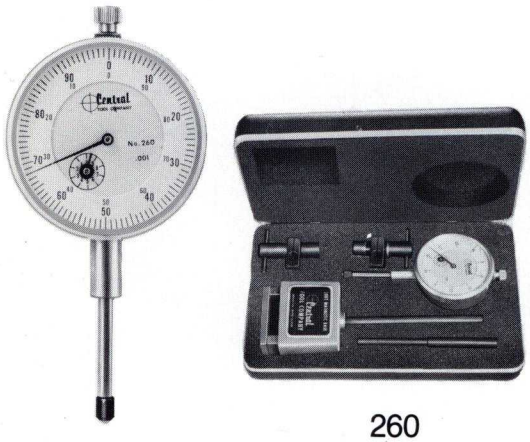
DESCRIPTION	NUMBER
Dial Indicator	See above
Contact Point: 3/16" dia., radiused	4201
Contact Point: 5/16" dia., radiused	4202
Sectional Rod: 5/16" dia., 8" long	4203
Hole Attachment: .125" range	4204
C-Clamp (for Indicator mounting)	4205
Universal Rod Connector	4206
Tool Post Holder: 5"	4208
Contact point, 1" long (not shown)	4210
Case Only	4004

202

UNIVERSAL SETS (Magnetic Base)

Sets have same jeweled bearing Dial Indicator as those above with rear mounted plunger, plus 2 radiused contacts (4201 - 3/16" dia. and 4202-5/16" dia.), powerful magnetic Base (4212) with post, an Indicator Rod (4209), 1" long Contact (4210) and 2 Universal Connectors (4206), all in fitted steel case (4005).

SET NUMBER	DIAL INDICATOR			
	RANGE	GRADS	READING	INDICATOR NUMBER
202	.200"	.001"	0-100	4346
203	.200"	.001"	0-50-0	4347
202M	5.0mm	.02mm	0-2	4346M



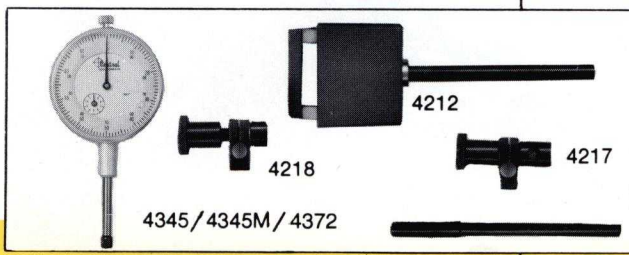
260

LONG RANGE INDICATOR SET

Sets have powerful magnetic base and a large, 2¼" diameter Dial Indicator made to the highest standards and with extreme accuracy throughout its full range. Dial is both continuous and balanced with revolution counter and may be rotated for setting at any point. Furnished in fitted steel case (4006).

SET NUMBER	DIAL INDICATOR			
	RANGE	GRADS	READING	INDICATOR NUMBER
260	1.0"	.001"	0-100	4345
260M	25mm	.01mm	0-2.5	4345M
204	.200"	.0001"	0-10-0	4372

SETS HAVE THE FOLLOWING COMPONENTS



DESCRIPTION	NUMBER
Dial Indicator	See above
Dual Diameter Rod	4209
Magnetic Base w/post	4212
Contact	4216
Rod Connector	4217
Indicator Holding Clamp	4218
Fitted Case	4006

HEAVY DUTY INDICATOR SET

Features our versatile Flex-Arm, 12½" long, that can be locked in any position. Base has heavy duty magnet which is released instantly when switch is turned to "off" position. Components: Indicator (4345), Flex-Arm (4333), Clamping pliers (4334), furnished in fitted steel case (4029). Metric Set 297M available with .02mm, 25mm range Indicator.

Indicator — Range: 1.00" Grads: .001" Reading: 0-100

MAGNETIC BASES

Rugged, heavy duty magnets grip either flat or curved steel surfaces. Can be used with any Central Dial Indicator set.

231 — Powerful, compact with adjustable swivel clamp for post and arm, plus universal Indicator clamp.
Base: 2" x 1¼" x 2H.
Post: 5/16" dia. x 4" long.
Rod: 1/4" and 5/16" dia. x 4" long.

233 — Powerful magnet with off-on switch. Separately adjustable post and arm clamps with large locking knobs.
Base: 2⅜" x 1⅞" x 2½"H.
Post: 15/32" dia. x 7" long.
Rod: 25/64" dia. x 6" long.

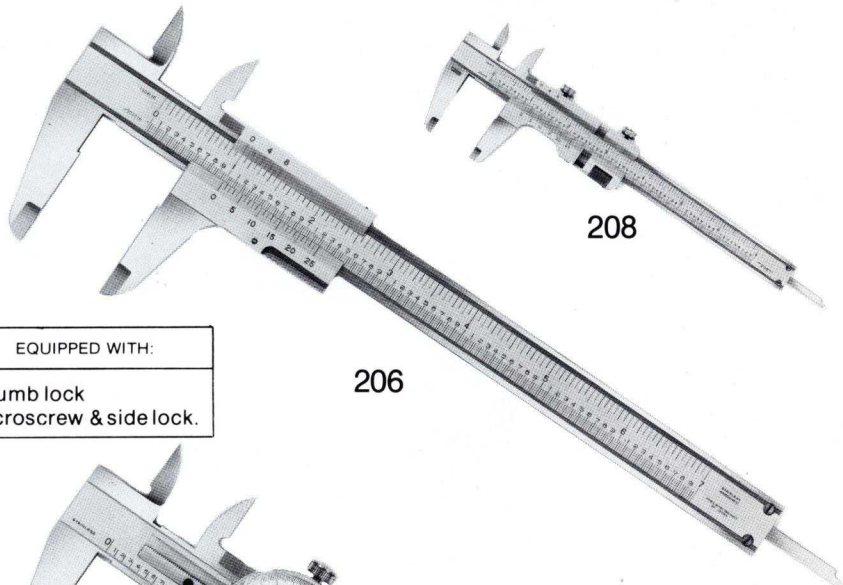
283 — On-Off magnetic base with Flex-Arm.
Base: 2⅜" x 1¼" x 2"H
Flex-Arm: 12½" long

VERNIER CALIPERS

FOR INSIDE, OUTSIDE AND DEPTH MEASUREMENTS.

High quality calipers made for us in Japan of stainless steel, stress relieved with satin chrome finish. Measuring surfaces are precision ground and lapped to provide highest degree of accuracy. Easy to read black graduations are precisely etched on recessed face of hardened bar.

NUMBER	RANGE	GRADUATIONS	EQUIPPED WITH:
206	0-6", 0-150mm	.001" & .05mm	Thumb lock
208	0-6", 0-150mm	.001" & .05mm	Microscrew & side lock.

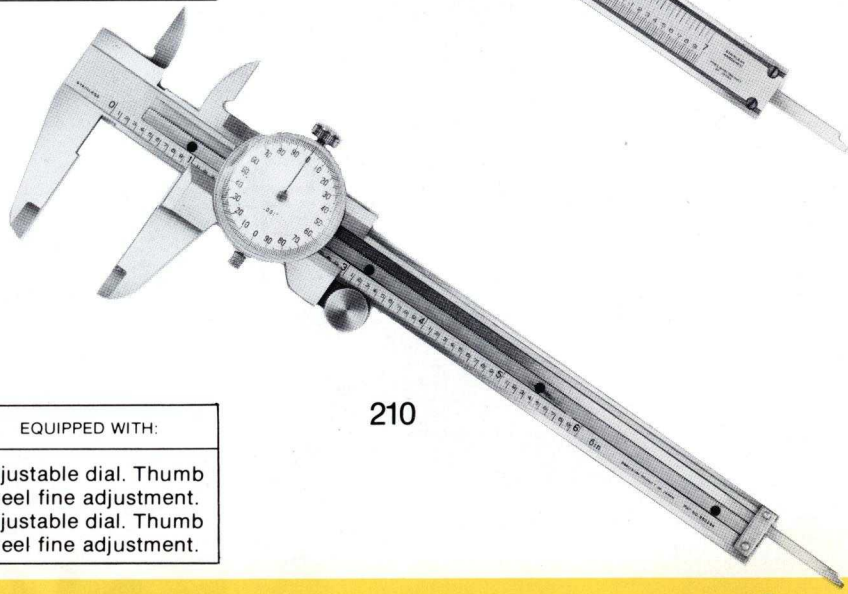


DIAL CALIPERS

FOR INSIDE, OUTSIDE AND DEPTH MEASUREMENTS

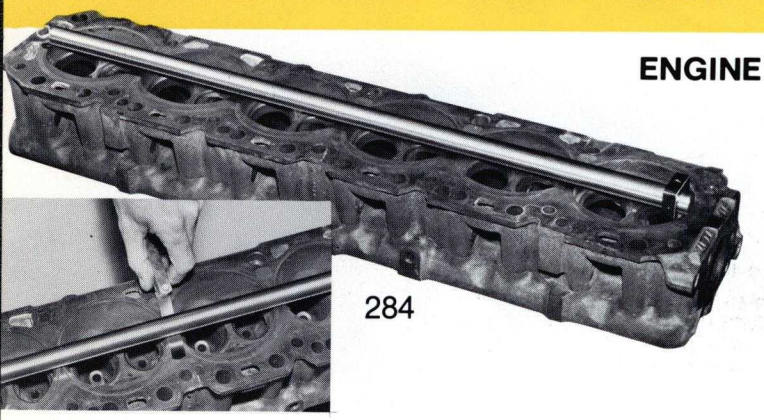
Made for us in Japan with the same high caliber workmanship and precision as vernier calipers above. Dial Indicator has fine-line indicating hand for accurate reading.

NUMBER	RANGE	GRADUATIONS	EQUIPPED WITH:
210	0-6"	.001"	Adjustable dial. Thumb wheel fine adjustment.
210M	0-150mm	.05 mm	Adjustable dial. Thumb wheel fine adjustment.



SPECIAL PURPOSE GAGES

100% AMERICAN MADE



284

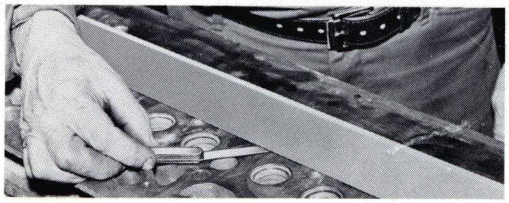
ENGINE WARP & ALIGNMENT GAGE

CHECKS:

- WARP OF HEAD, BLOCK and MANIFOLD
- MAIN BEARING SADDLE ALIGNMENT

Saves time and money for any overhaul shop. Put this high accuracy bar gage in place and check clearances with feeler gages. Heavy duty hardened and ground bar is ¾" diameter, accurate to within .002" over its full 26" length. Has hang up hook and removeable anti-roll block.

296



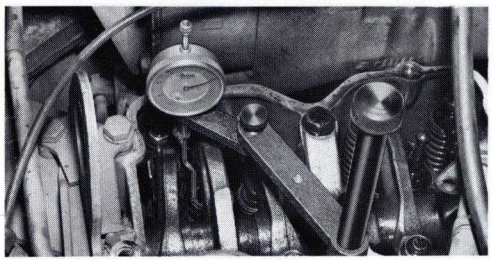
PRECISION STRAIGHT EDGE

35" long for Diesels

NEW

Extremely accurate for checking warp of cylinder block and head. 35" long, adequate length for most diesel engines. Enameled on all surfaces except measuring edge to protect against rust. Has hang-up hole for safe storage.

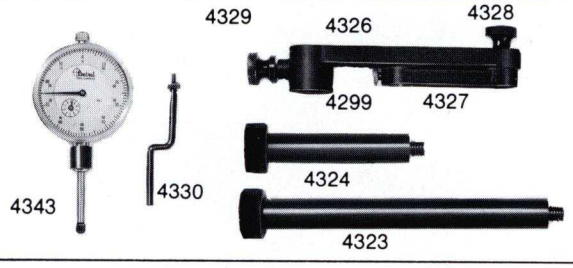
279



CUMMINS INJECTOR GAGE

Fast, accurate gage for setting Cummins injectors. Errors caused by incorrect torque are eliminated. Indicator has 1" range and reads plunger travel to .001". Gage comes complete with all attachments required to position Indicator properly, including short post for use where clearance is limited.

Metric model:
No. 279M — same as 279 above except Indicator is graduated in .02mm and has range of 25mm.



COMPONENTS

Dial Indicator	4343
Indicator Thumbscrew*	4299
Post, 7½" long	4323
Post, 4" long	4324
Arm Assembly	4325
Inner Support Arm*	4326
Outer Support Arm*	4327
Hinge Screw*	4328
Post Clamp Screw*	4329
Offset Contact Point	4330
Locknut	4331
Case Only	4025

*Included in Arm Assembly.

SLEEVE HEIGHT & COUNTERBORE GAGE

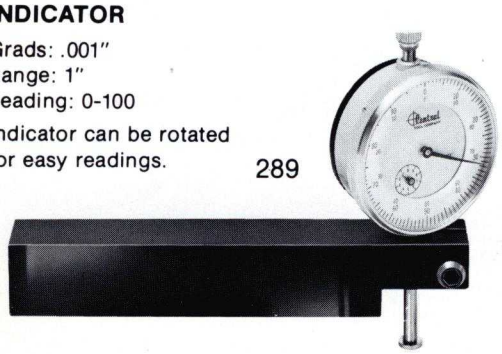
FOR ALL DIESEL ENGINES

INDICATOR

Grads: .001"
Range: 1"
Reading: 0-100

Indicator can be rotated for easy readings.

289



Compact, versatile gage for quickly measuring cylinder sleeve height (using pointed contact) and counterbore depth (using flat end contact). Can also be used to check TDC, piston-to-deck height and valve protrusion. Stop ring on indicator permits Indicator to be rotated easily so you can take readings around entire bore. Complete in durable, fitted case.

COMPONENTS

Indicator	4374
Base	4375
Socket screw	4376
Flat contact	4377
Pointed contact	4378

100% AMERICAN MADE

SPECIAL PURPOSE GAGES

VALVE STEM HEIGHT MASTER SET

This new, 2-gage measuring system will give you correct stem heights for valve in any engine (a spec not published in service manuals) and lets you check results after the reground valves are back in the head.

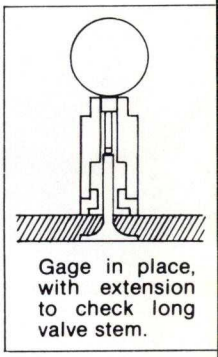
Combines gages 291 and 292 (below) in durable, fitted case with one indicator.

SET NO. 290

NO SPEC SHEET NEEDED. LETS YOU DETERMINE VALVE STEM HEIGHT FOR ANY ENGINE.

VALVE STEM HEIGHT GAGE – *Obtain specs with 292*

291



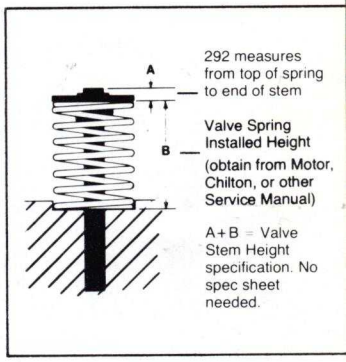
Gage in place, with extension to check long valve stem.

Checks height of valve stems in any car, bus or truck without removing valve from head. Reference surface of gage base is hardened and ground flat. Extension collar slips into base for checking longer length stems. No need to reposition Indicator. Gage checks any length stem protrusion up to 2½".

INDICATOR Grads: .001" Range: 1" Reading: 0-100

COMPONENTS	
Body	4379
Extension	4380
Standard	4381
Set screw (2)	4282
Indicator	4345

292


A
B
292 measures from top of spring to end of stem
Valve Spring Installed Height
(obtain from Motor, Chilton, or other Service Manual)
A+B = Valve Stem Height specification. No spec sheet needed.

Optional bench top stand. (293)

VALVE SPECIFICATION GAGE – *No spec sheet needed*

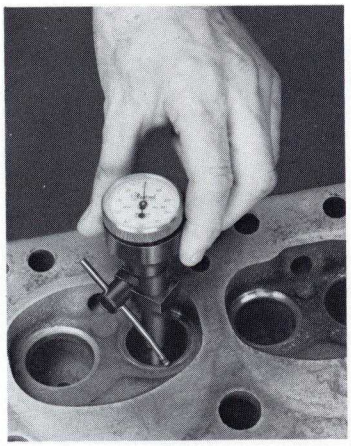
Measures the distance from bottom of valve spring retainer to end of valve stem. Add this dimension to valve spring assembled height (given in service manual) for correct valve stem height. Base has convenience holes for mounting gage to bench or wall. Bench top stand (293) is optionally available.

INDICATOR
Grads: .001" Range: 1" Reading: 0-100

VALVE SEAT RUNOUT GAGE

Check valve seat runout on any automobile, truck, motorcycle, snowmobile or outboard engine!

Most engine manufacturers specify valve seat runout to within less than .002". Place gage on pilot, position probe on valve seat and rotate gage a full revolution. Interchangeable adaptors are available for different pilots.



DIAL INDICATOR
ENGLISH —
.001" grads,
.200" range,
0-50-0 reading.
METRIC —
.02mm grads,
2.5mm range,
0-2.5 reading.

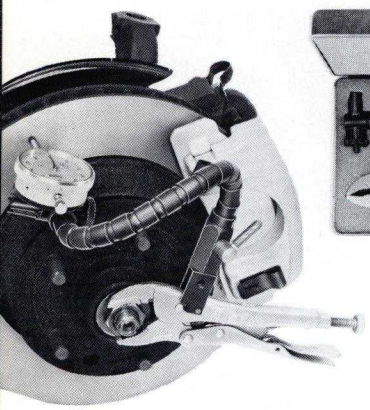
GAGE NUMBER English	GAGE NUMBER Metric	ADAPTOR SIZE	FOR PILOTS:
286	286M	3/8"	Black & Decker, K.O. Lee Neway, Olcott
287	287M	3/8"+.010"	Sioux
288	288M	7/16"	Kwik Way

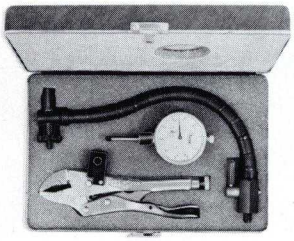
COMPONENTS

DESCRIPTION	NUMBER	DESCRIPTION	NUMBER
Head & Indicator Assbly.	4355	7/16" Adaptor	4358
Indicator only	4348	Clamp	4359
3/8" Adaptor	4356	Probe	4360
3/8"+.010" Adaptor	4357		

SPECIAL PURPOSE GAGES

100% AMERICAN MADE





282

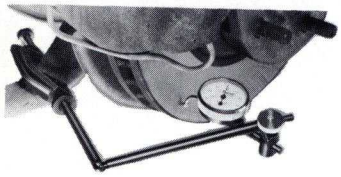
DISC ROTOR/BALL JOINT GAGE

ALL PURPOSE. MEETS REQUIREMENTS OF ALL STATE INSPECTION STATIONS. Checks ball joint wear and disc rotor runout. Can also be used to check tire and wheel runout, gear backlash, valve guide wear and camshaft wear.

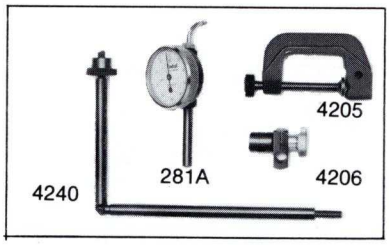
1" range, .001" grad Indicator (4344) mounts on Flex-Arm (4333) which instantly locks in any desired position by turning lever at base. Arm attaches to special Vise Grip® pliers (4334) which clamp securely to any convenient object. All in fitted case. Metric model No. 282M has .02mm grad, 25mm range Indicator.

OPTIONAL
Roller Contact (4213) for checking wheel runout. Radiused Contact (4340), 1" dia. for checking radial tire runout.

DISC ROTOR RUNOUT INDICATOR SET



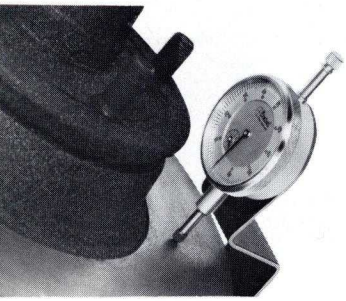
281



MEETS REQUIREMENTS OF ALL STATE INSPECTION STATIONS

Checks runout quickly without removing rotor from spindle. Complete with attachments shown in fitted case.

INDICATOR
Grads: .001" Range: .100" Reading: 0-50-0



280

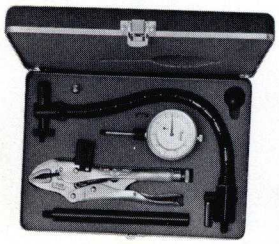
DISC ROTOR THICKNESS GAGE

MEETS REQUIREMENTS OF ALL STATE INSPECTION STATIONS

This compact, versatile gage is designed to check:
- Wear and thickness
- Thickness variation
- Score depth (using pointed contact included)

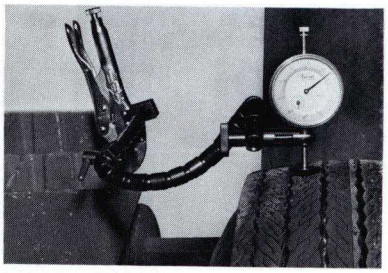
Furnished in fitted case with 1" standard.

INDICATOR
Grads: .0005" Range: .300"-1.300" Reading: 0-50-0



295

NEW



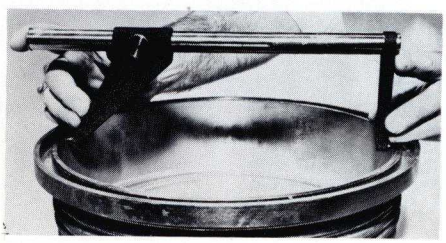
TIRE & WHEEL RUNOUT GAGE SET

Excellent for disc brake rotor runout and ball joint wear too! Meets requirements of all state inspection stations.

Use of our Flex-Arm makes indicator positioning easy. Special clamping pliers attach securely anywhere on your balancer. Gage is furnished with large radiused contact (4340) for checking radial runout, also roller contact (4213) for checking wheels and sidewalls. Indicator (4344) mounts on Flex-Arm (4333) which attaches to clamping pliers (4334). A six inch extension (4369) provides added reach. Supplied in fitted case (4028). Metric model 295M has .02mm grad, 25mm range indicator.

Indicator: Range: 1.00" Grads: .001" Reading: 0-100

DISC BRAKE MICROMETER — SEE PAGE 3



214

BRAKE DRUM WEAR LIMIT GAGES

A must for every inspection station. Two models, each with pointed contacts, for pre-inspecting scored brake drums to determine if they can be safely machined.

214 — Has .060" limit for each drum size of passenger cars and light trucks. Range 8" to 14".

216 — Has .080" limit for each drum size of trucks and large vehicles. Range 12" to 16½".

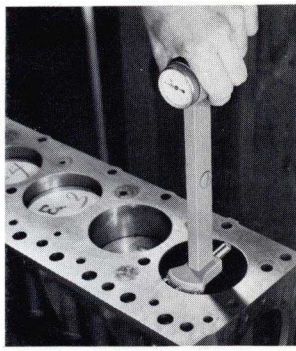
CYLINDER BORE GAGES

258 — For quickly and accurately checking cylinder diameter, taper and out-of-round. Full-face visibility of Indicator at all times. Complete with 10½" handle and set of contact extensions in fitted steel case.

NUMBER	GRADS	RANGE	READING
258	.0005"	2.125-7.00"	0-20-0
258M	.01mm	56-175mm	0-.5-0

257 — Measures taper and out-of-round from immediate underside of ridge to bottom of critical wear area without removing pistons. Can measure bore diameter to depth of 8". Rugged one-piece construction. Comes complete with contact extensions. Furnished in fitted case.

NUMBER	GRADS	RANGE	READING
257	.001"	2.6-7"	0-50-0
257M	.02mm	65-175mm	0-2.5

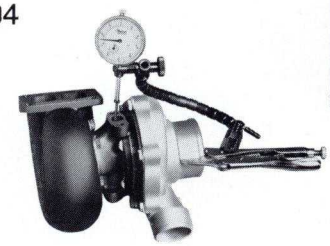


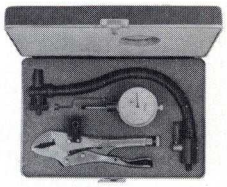
TURBOCHARGER GAGE SET

Measures end play, radial play and shaft stretch.

Versatile Flex-Arm makes set-up easy and fast. Special clamping pliers can be firmly secured to any flange. Special offset contact permits measuring radial runout through oil drain hole. Components: Indicator (4344), Flex-Arm (4333), Clamping Pliers (4334), Offset contact (4388), furnished in fitted steel case (4027). Metric model has Indicator with .02mm grads and 25mm range.

294





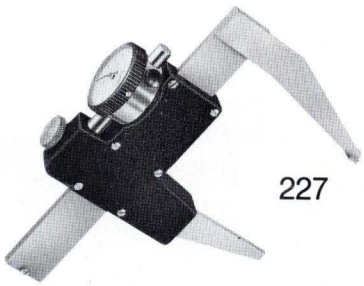
NEW

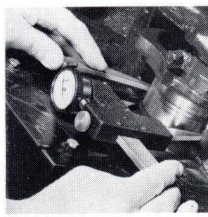
CRANKSHAFT MAIN JOURNAL GAGE

Measures wear of main journals without removing crankshaft or top insert from engine.

This easy to read, adjustable gage determines out-of-round of main journals from 2" to 5" in diameter. Makes any wear instantly apparent, providing a quick, accurate determination of whether or not regrinding is necessary. Packaged in durable, fitted case.

GAGE CAPACITY: 2"-5"
INDICATOR: Grads — .001" Range — 0-1.00" Reading — 0-100





CONNECTING ROD JOURNAL MICROMETERS

Specially designed to check rod journals. Grads (.001") are located so measurement is read with micrometer in position. All models have drop forged I Beam frame, baked enamel finish. Standard included with each model. Available in Metric. Add M after model number.

RANGE: 1.5" to 2.5"

NUMBER	FRICTION STOP	FRICTION THIMBLE	SPINDLE LOCK
50LC	x		x
750LC		x	x

RANGE: 2.5" to 3.5"

NUMBER	FRICTION STOP	FRICTION THIMBLE	SPINDLE LOCK
53LC	x		x
753LC		x	x

TIMING GAGES (2 Cycle Engines)

100% AMERICAN MADE

275

TIMING GAGE SETS

FOR ANGLED AND STRAIGHT SPARK PLUG HOLES

Complete with all the necessary components to give direct readings on engines with spark plug holes angled at 40° to 60° and on all engines with straight holes. Packaged in a fitted case with 14mm and 18mm adaptors.

SET NUMBER	GRADS	RANGE	READING	INDICATOR NUMBER
275 275M	.001" .01mm	1" 25mm	0-100 0-2.5	4341 4341M

276
Angle adaptor only, without Indicator
Steel case — 4022

277

MASTER TIMING GAGE SETS

FOR ANGLED AND STRAIGHT SPARK PLUG HOLES

Complete Master Sets that can handle all 2-cycle engine timing requirements! Permits timing with head on or off. Includes Timing Gages described above and auxiliary kits described below. Packaged in fitted case. (4024)

MASTER SET NUMBER	TIMING GAGE	EXTENDER KIT	HEAD OFF KIT	ROLLER CONTACT KIT
277 277M	275 275M	265 265	266 266	232 232

AUXILIARY KITS

EXTENDER KIT 265

Adaptor and contact extensions let gage clear deep fins and cooling shrouds. Includes 1" contact and extensions, plus 14mm and 18mm extenders.

ROLLER CONTACT KIT 232

Prevents contact binding on pistons in engines having angled spark plug holes. Includes 3/8" dia. roller contact and 1" extension.

HEAD-OFF KIT 266

Contains necessary holding rods and clamps to permit mounting Timing Gage when engine head is off.

100% AMERICAN MADE

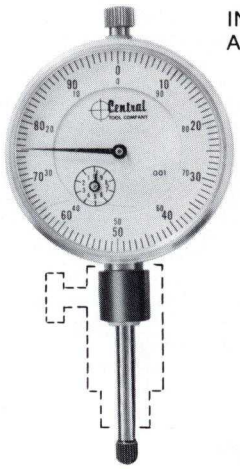
TIMING GAGES (2 Cycle Engines)

TIMING GAGES

STRAIGHT SPARK PLUG HOLES

Compact, easy to use gage for direct reading on all engines that do not have angled spark plug holes. Packaged with two different size adaptors and 1" long contact point. Indicator has lug back for use with a magnetic base, when needed. Screw adaptor into plug hole. Lock indicator into adaptor facing in any convenient direction. Bring piston to top dead center and set indicator to zero by rotating dial. Back piston down to specified number of thousandths before T.D.C. as shown on Indicator. Then set timing.

GAGE NUMBER	GRAD	INDICATOR RANGE	READING	INDICATOR NUMBER	ADAPTORS		
					4225	4220	4221
263	.001"	1"	0-100	4341		x	x
267	.001"	1"	0-100	4341	x	x	
263M	.01mm	25mm	0-2.5	4341M		x	x
267M	.01mm	25mm	0-2.5	4341M	x	x	



INDICATOR (4341) WITH ADAPTOR IN POSITION

263

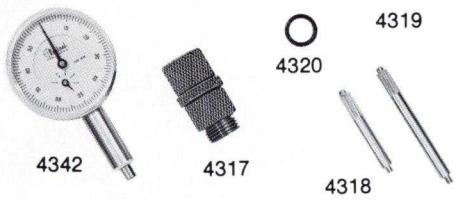
4210

4225 (12mm)
4220 (14mm)
4221 (18mm)

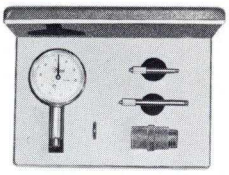
MOTORCYCLE TIMING GAGE

READ TIMING WITHOUT REMOVING FUEL TANK

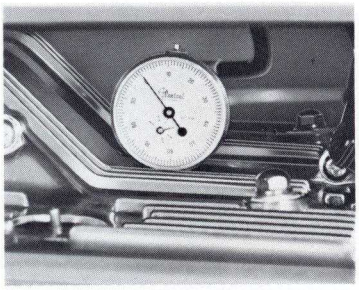
Compact gage, specially designed for the cramped quarters on many makes of motorcycles. Adaptor has locking collar for adjusting indicator when adaptor is in position on engine. Great time saver! Indicator has .01mm grads, 5.0mm range, 0-1.0 reading. Complete with two contacts in durable, fitted case (4026).



COMPONENTS
4342 — Indicator
4317 — Adaptor
4318 — 1½" contact
4319 — 2" contact
4320 — "O" Ring



Packaged complete in fitted steel case.



Gage in position on center cylinder of a Suzuki 380.

278

AUDIO-VISUAL TIMING TESTER

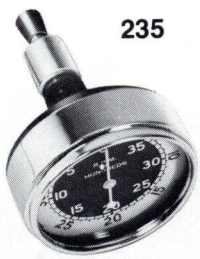
Signals by light or buzzer when points open, as aid to set proper timing. Has four position switch for: light only, buzzer only, light and buzzer combined and off. Useful for all service work requiring a continuity tester.

273

HAND-HELD TACHOMETER

Ideal where electric tachometer can't be used. Checks diesels, pumps, compressors, power takeoffs, farm and construction equipment. Hold rubber tip against end of rotating shaft. Read revs per minute directly from dial.

NEW



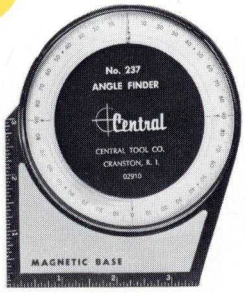
235

Range:
100-4000 RPM
(RH or LH)
Length: 4¼"
Dial dia: 2¾"

ANGLE FINDER

Measures frame angle (pitch forward or backward) in setting truck front ends. Magnet in base holds tool in place. Graduated in ½ degree increments.

NEW



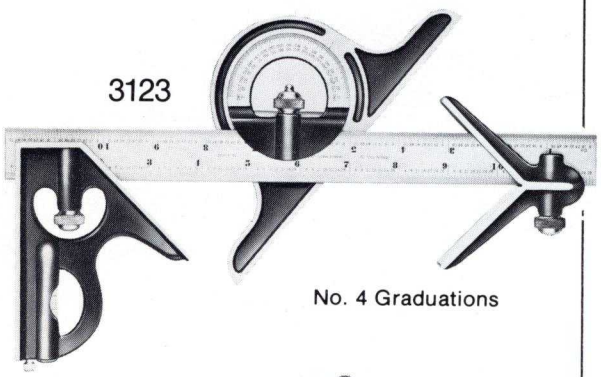
237

MACHINISTS TOOLS

Curved attachment for around corners

INSPECT-A-LITE

Ideal for inspecting water jackets in heads and blocks, checking oil passages for obstructions, inspecting carburetor passages for dirt and checking automatic transmission cases or valve bodies for cracks and defects. Rods conduct light straight down passages or around corners to reach areas that cannot normally be seen. Small mirror fits ends of rods. Includes flashlight, straight rod, curved rod and mirror in vinyl case. Penlite batteries not included.



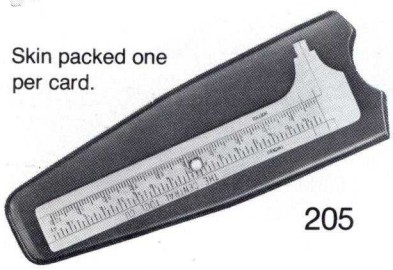
No. 4 Graduations

COMBINATION SETS — 12″

An essential tool for every machinist! Made to highest accuracy. Fully hardened and tempered blade with clear etched markings. Graduated in 8ths, 16ths, 32nds and 64ths. Protractor is double indexed, reads 180° in either direction.

NUMBER	DESCRIPTION
3120	Machinist square
3121	Blade only
3122	Machinists square with center head
3123	Machinists square with center head and protractor
3124	Center head only
3125	Protractor only

Skin packed one per card.



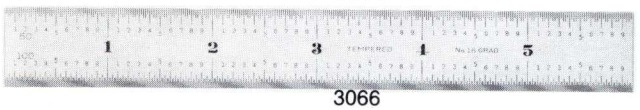
SLIDE RULE CALIPER — 4″

English and Metric graduations

Handy, durable, pocket size. Made for us of heavy gauge, solid brass for long, accurate service. Will never rust. Machine divided graduations (32nds and 1mm) for both inside and outside dimensions. Furnished in polyvinyl case.

FOR JOBBERS — Order six of these calipers and receive handy counter display at no charge. Please specify, if desired. (Units are not skin packed)

3072



3066

3068

RULES — 6″ & 12″

Top quality. Precision ground and tempered. Clear etched graduations. Chrome plated.

Skin packed, one per card

NUMBER	DESCRIPTION	GRADUATIONS
3065	Machinists	32nds, 64ths, 1mm,.5mm
3066	Machinists	8ths, 16ths, 32nds, 64ths
3067	Flexible	32nds, 64ths, 50ths, 100ths
3068	Narrow	32nds, 64ths
3072	Machinists (12″)	32nds, 64ths, 1mm,.5mm
3073	Flexible	8ths, 16ths, 32nds, 64ths

CALIPERS & DIVIDERS

Fully hardened and heat treated with brushed finish.

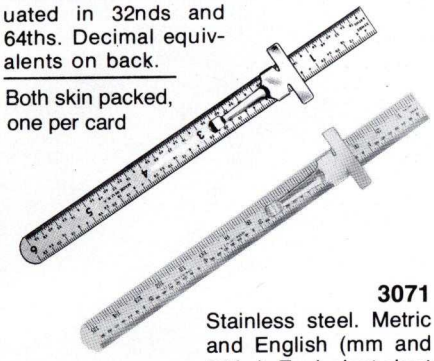
NUMBER	DESCRIPTION	SIZE
3304	Dividers	4″
3306	Dividers	6″
3308	Dividers	8″
3314	Outside Calipers	4″
3316	Outside Calipers	6″
3318	Outside Calipers	8″
3324	Inside Calipers	4″
3326	Inside Calipers	6″
3328	Inside Calipers	8″
3334	Hermaphrodite Calipers	4″

POCKET RULES — 6"

3070

Stainless steel. Graduated in 32nds and 64ths. Decimal equivalents on back.

Both skin packed, one per card



3071

Stainless steel. Metric and English (mm and 64ths). Equivalent chart in back.

NEW

Both, standard pack — 10.

POCKET MAGNET & SCRIBER

3032

Small, handy tool with permanent magnet on one end. Scriber on other end reverses and stores in body for safety.

Both skin packed, one per card

POCKET SCRIBER

3030

Tempered steel point can be reversed and stored in body. Overall length is only 4⅞".

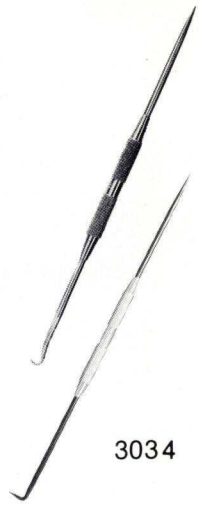
Both, standard pack — 10.

SCRIBERS

One end sharp tempered. Other end hooked for removing "O" rings, seals, gaskets, etc.

3031 — Length 7". Hook unhardened.

3034 — NEW with 90° hook. Length 8". Both points hardened.



3031

Both skin packed, one per card

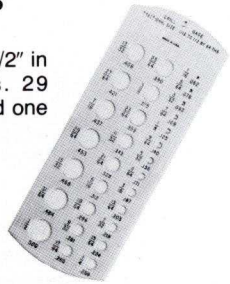
3034

Both, standard pack-10.

DRILL GAGES

3080

English. 1/16" to 1/2" in 64th increments. 29 holes. Skin packed one per card.



NEW

3081

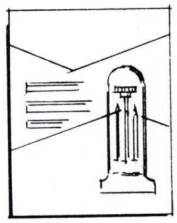
Metric. 1.5mm to 12.5mm in .25mm or .5mm increments. 30 holes. Skin packed one per card.

MINIATURE SCREWDRIVER AND AWL SET

Handy plastic container has four screwdriver bits (.055", .070", .080" and .100") plus an awl. Each fits into chuck type handle.

Packaged on display card.

3033



SMALL HOLE GAGE SET

Range: 1/8" to 1/2"

Ideal for checking valve guide wear and small hole diameters. Insert split ball into hole and expand by turning knob on handle. Measurement is read by outside micrometer.

INDIVIDUAL GAGES

No.	Range
4311	.125-.200"
4312	.200-.300"
4313	.300-.400"
4314	.400-.500"

230

TELESCOPING GAGE SETS

Self-centering. Heavy Duty.

Check slots, grooves, recesses, cylinders. Handles are up to 5½" long. Satin chrome finish. Both contacts release or lock by turning knob at end of handle. Measurement is read by micrometer.

INDIVIDUAL GAGES

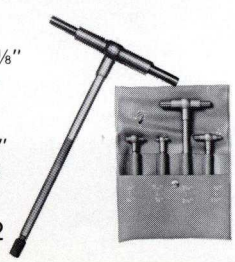
No.	Range
4349	5/16-1/2"
4350	1/2-3/4"
4351	3/4-1¼"
4352	1¼-2⅛"
4353	2⅛-3½"
4354	3½-6"

222

Range: 5/16"-2⅛"
No. of gages: 4

223

Range: 5/16"-6"
No. of gages: 6

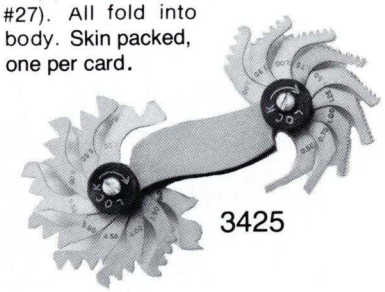


222

THREAD GAGE

3424

22 pitches (#9 thru #40, plus #11½ and #27). All fold into body. Skin packed, one per card.



3425

NEW

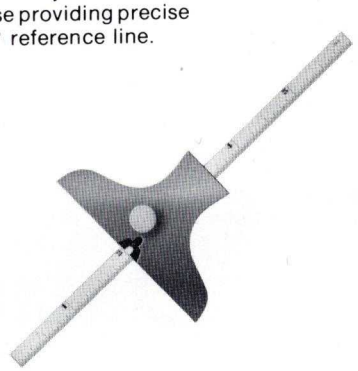
3425

18 pitches. .50 to 7.0mm plus a center gage. Skin packed one per card.

DEPTH GAGE

3069

Stainless steel 6" rule with adjustable 2½" base providing precise 90° reference line.



Only from Central . . .

PRECISION TOOL MART

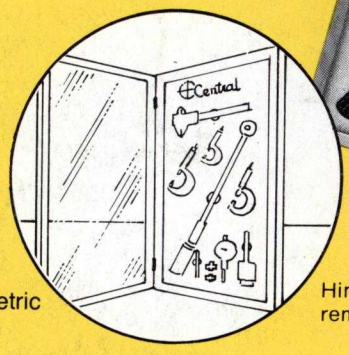
99

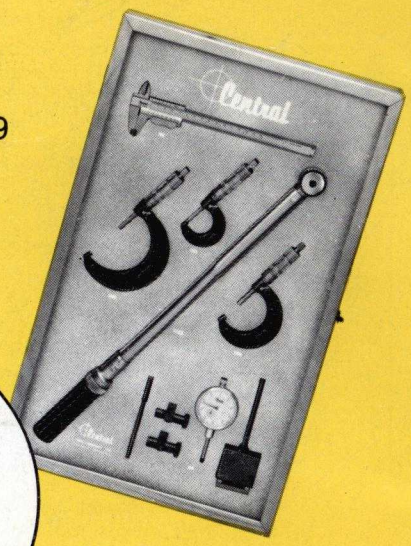
The most needed general purpose measuring tools all together in one, easy-to-mount storage cabinet with hinged, glass panel door. Easy to remove tools . . . easy to spot tools that have been sold. Shipped complete as one unit with all packaging for each tool.

CONTAINS ONE OF EACH:

NUMBER	DESCRIPTION
12RL	Outside Micrometer, 0-1"
22RL	Outside Micrometer, 1-2"
32RL	Outside Micrometer, 2-3"
206	Vernier Caliper, 0-6" & 0-150mm
260	Dial Indicator Set, 1" range
2252	Torque Wrench, 30/250 ft/lb and 4.8-35 m/kg, 1/2" drive

Also available — Metric Tool Mart, 99M. Contains Metric model of each tool listed above.





Hinged door for quick removal of tools.

REPRESENTATIVES —

Covering all areas, our salesmen are always at your service.

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McHale — Majer Co.
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Seattle, WA 98104

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Belmont, MA 02178

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Longdon Sales Co.
1114 Montpelier Drive
Greensboro, NC 27410

Illinois & Southern Wisconsin
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6411 Joliet Road
LaGrange, IL 60525

Indiana & Kentucky
Charles Clinard, Jr.
P.O. Box 986
Jeffersonville, IN 47130

Michigan
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4363 North Woodward Avenue
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Minnesota, North & South Dakota, Northern Wisconsin
LaPoint Sales, Inc.
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Osseo, MN 55369

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M. H. Swanman Company
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Lenexa, KS 66215

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S/L Marketing Specialists, Inc.
P.O. Box 206
Berkeley Heights, NJ 07922

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Ed Sieklucki and Associates
P.O. Box 278
Elbridge, NY 13060

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California Affiliated Representatives, Inc.
2628 East 54th Street
Huntington Park, CA 90255

Northern California, Nevada
Magliano, Willison, Dodds
1705 St. Andrews Drive
Moraga, CA 94556

Texas, Arkansas, Oklahoma, Louisiana
Ralph E. Russell Company, Inc.
9983 Monroe Drive
Dallas, TX 75220

Ohio
Marquardt Sales
1264 Valley Park Drive
Cleveland, OH 44147

Export
United Export Corporation
P.O. Box 147
South Bend, IN 46624

Eastern Canada
Toolquip Agency Limited
P.O. Box 330
Caledon, Ont. LON 1CO

Western Canada
Lyman Agencies Limited
311 East Sixth Avenue
Vancouver, BC V5T 1J9

Hawaii
S. B. "Paddy" Gillespie
P.O. Box 507
Wahiawa, HI 96786

Central

CENTRAL TOOL COMPANY, INC. CRANSTON, RI 02910 U.S.A. (401) 467-8211

PRINTED IN U.S.A.

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Central
TOOL COMPANY, INC.
Cranston, R. I. 02910 U.S.A.

ETD INC.
751 East Broadway
DES MOINES, IOWA 50313
Ph. 282-7446

EFFECTIVE JAN. 1, 1979
SHEET No. M7879

MECHANICS NET PRICES

SUPERSEDES ALL PREVIOUS SHEETS
MINIMUM BILLING $5.00, F.O.B. CRANSTON
*New Item

METRIC GRADUATIONS available at no extra charge on many tools as indicated in catalog, designate with M, (i.e., 12RLM).
CARBIDE FACES AND .0001 GRADUATIONS available on all micrometers, except metric, designate with CV, (i.e., 12RLCV). Add $8.35 per micrometer to price shown.

No.	Mechanics Net	
11	32.35	Micrometer 0-1", Full Finished
11RL	35.90	Micrometer 0-1", Full Finished
12	25.20	Micrometer 0-1", I Beam Frame
12R	27.65	Micrometer 0-1", I Beam Frame
12RL	28.85	Micrometer 0-1", I Beam Frame
15	34.90	Micrometer, Ball Anvil, Full Finished
15RL	38.85	Micrometer, Ball Anvil, Full Finished
22	31.10	Micrometer 1"-2", I Beam Frame
22RL	34.90	Micrometer 1"-2", I Beam Frame
25	28.10	Micrometer, Ball Anvil, I Beam Frame
25RL	32.00	Micrometer, Ball Anvil, I Beam Frame
28LC	42.60	Micrometer, Disc Brake .300"-1.300"
29L	42.60	Micrometer, Disc Brake .300"-1.300"
30	111.20	Set, Micrometers (3) 0-3"
30RL	122.20	Set, Micrometers (3) 0-3"
32	35.00	Micrometer 2"-3", I Beam Frame
32RL	38.75	Micrometer 2"-3", I Beam Frame
33	163.85	Set, Special Automotive
34	225.65	Set, Special Automotive
35	120.20	Set, Micrometers (3) 0-3"
35RL	131.15	Set, Micrometers (3) 0-3"
40	159.25	Set, Micrometers (4) 0-4"
40RL	174.05	Set, Micrometers (4) 0-4"
42	38.95	Micrometer 3"-4", I Beam Frame
42RL	42.90	Micrometer 3"-4", I Beam Frame
44L	82.60	Range Micrometer 0-4"
45	168.80	Set, Micrometers (4) 0-4"
45RL	183.50	Set, Micrometers (4) 0-4"
50LC	51.05	Micrometer 1½"-2½", Carbide Faces
52	44.45	Micrometer 4"-5", I Beam Frame
52RL	48.15	Micrometer 4"-5", I Beam Frame
53LC	48.00	Micrometer 2½"-3½", Carbide Faces
55	21.75	Micrometer Head
55R	24.05	Micrometer Head
60	279.15	Set, Micrometers (6) 0-6"
60RL	301.70	Set, Micrometers (6) 0-6"
62	50.35	Micrometer 5"-6", I Beam Frame
62RL	54.10	Micrometer 5"-6", I Beam Frame
65	288.70	Set, Micrometers (6) 0-6"
65RL	310.75	Set, Micrometers (6) 0-6"
71	37.05	Micrometer 0-1", Full Finished
71L	38.50	Micrometer 0-1", Full Finished
80	57.35	Inside Micrometer 1½-8", Tubular Type
81	68.00	Inside Micrometer 1½-12", Tubular Type

No.	Mechanics Net	
85	47.70	Inside Micrometer 2-8" Rod Type
86	61.15	Inside Micrometer 2-12½", Rod Type
99	283.10	Precision Tool Mart
103	47.15	Depth Micrometer 0-3", 2½" Base
106	62.75	Depth Micrometer 0-6", 2½" Base
143	55.30	Depth Micrometer 0-3", 4" Base
146	70.30	Depth Micrometer 0-6", 4" Base
150	19.95	Supreme Micrometer, 0-1"
200	44.70	Universal Dial Indicator Set, 0-100
201	44.70	Dial Indicator Set, 0-50-0
202	54.20	Dial Indicator Set, 0-100
203	54.20	Dial Indicator Set, 0-50-0
204	71.70	10th Reading Dial Indicator Set
205	7.50	Pocket Caliper, 0-4"
206	42.00	Vernier Caliper, 0-6"
208	44.50	Vernier Caliper with Fine Adjustment, 0-6"
210	72.35	Dial Caliper, 0-6"
214	20.80	Brake Drum Wear Limit Gage 8"-14"
216	25.90	Brake Drum Wear Limit Gage 12"-16½"
*217	20.95	Plastic Dial Caliper
*218	20.95	Plastic Dial Caliper (Metric)
222	36.70	Heavy Duty Telescoping Gage Set
223	57.15	Heavy Duty Telescoping Gage Set
227	123.40	Crankshaft Main Journal Gage
230	39.40	Small Hole Gage Set
231	22.40	Magnetic Base
232	4.25	Roller Contact
233	35.05	Magnetic Base
235	37.65	Hand Held Tachometer
237	14.05	Angle Finder
257	92.35	Cylinder Bore Gage
258	60.05	Cylinder Bore Gage
260	63.45	1" Range Dial Indicator Set
263	39.15	Timing Gage
263M	39.15	Timing Gage, Metric
265	7.50	Extender Kit
266	14.10	Head Off Kit
267	39.15	Timing Gage
267M	39.15	Timing Gage, Metric
273	29.50	Timing Tester
275	51.40	Angle Timing Gage
276	19.40	Angle Adaptor
277	77.60	Master Timing Set

(CONTINUED OTHER SIDE)

Printed in U.S.A.

Central

EFFECTIVE JAN. 1, 1979

SHEET No. M7879

MECHANICS NET PRICES

SUPERSEDES ALL PREVIOUS SHEETS

MINIMUM BILLING $5.00, F.O.B. CRANSTON

*New Item

No.	Mechanics Net	
278	40.60	Motorcycle Timing Gage
279	92.55	Cummins Injector Gage
280	35.40	Disc Brake Rotor Thickness Gage
281	35.40	Disc Brake Runout Indicator Set
282	91.10	Ball Joint Gage
283	57.80	Magnetic Base and Flex Arm
284	29.00	Warp and Alignment Gage
285	14.00	Inspect-a-lite
286	47.35	Valve Seat Gage, 3/8"
287	47.35	Valve Seat Gage, 3/8" and .010"
288	47.35	Valve Seat Gage, 7/16"
289	55.90	Sleeve Height and Counterbore Gage
290	96.70	Master set, valve stem height & spec. set
291	50.55	Valve stem height gage
292	66.30	Valve stem specification gage
293	12.70	Valve stem specification gage stand
294	89.65	Turbocharger Indicator Set
295	100.05	Tire & Wheel Runout Gage
*296	42.95	Precision Straight Edge
*297	102.35	Heavy Duty Indicator Set
712L	28.85	Micrometer 0-1", I Beam - Friction Thimble
715L	38.85	Micrometer, Ball Anvil, Full Finished
722L	34.90	Micrometer 1"-2", I Beam - Friction Thimble
725L	32.00	Micrometer, Ball Anvil, Friction Thimble
730L	122.20	Set, Micrometers (3) 0-3", Friction Thimble
732L	38.75	Micrometer 2"-3", I Beam - Friction Thimble
735L	131.15	Set, Micrometers (3) 0-3", Friction Thimble
740L	174.05	Set, Micrometers (4) 0-4", Friction Thimble
742L	42.90	Micrometer 3"-4", I Beam - Friction Thimble
744L	82.60	Range Micrometer 0-4", Friction Thimble
745L	183.50	Set, Micrometers (4) 0-4", Friction Thimble
750LC	51.05	Micrometer 1½"-2½", Friction Thimble
752L	48.15	Micrometer 4"-5", I Beam - Friction Thimble
753LC	48.00	Micrometer 2½"-3½", Friction Thimble
760L	301.70	Set, Micrometers (6), 0-6", Friction Thimble
762L	54.10	Micrometer 5"-6", I Beam - Friction Thimble
765L	310.75	Set, Micrometers (6) 0-6", Friction Thimble

TORQUE WRENCHES AND TORQUE MULTIPLIERS

2020R	69.80	Micrometer Type, 200 Inch Pounds
2025R	65.50	Micrometer Type, 250 Inch Pounds
2100R	69.50	Micrometer Type, 100 Foot Pounds
2251	84.25	Micrometer Type, Flex Head
2252	78.30	Micrometer Type, Dual Scale
2253	48.55	Micrometer Type, 150 Foot Pounds
2601	280.80	Micrometer Type, 600 Foot Pounds
2601R	324.00	Micrometer Type, 600 Foot Pounds
2700	997.15	Micrometer Type, 2000 Foot Pounds
2722	240.80	Torque Multiplier, 1000 Foot Pounds
2723	362.60	Torque Multiplier, 2000 Foot Pounds
2724	823.20	Torque Multiplier, 4000 Foot Pounds
2725	1372.00	Torque Multiplier, 8,000 Foot Pounds
2726	1855.00	Torque Multiplier, 12,000 Foot Pounds
2727	443.80	Torque Multiplier, Anti-Backlash
2728	1183.00	Torque Multiplier, Double Reduction
2730	36.20	Torky

No.	Mechanics Net	
2731	61.60	Rigid Frame, Dial Type, 250 Inch Pounds
2732	84.25	Rigid Frame, Dial Type, 250 Foot Pounds
2733	193.75	Rigid Frame, Dial Type, 600 Foot Pounds
2734	295.30	Rigid Frame, Dial Type, 1000 Foot Pounds
2735	59.95	Rigid Frame, Dial Type, 150 Inch Pounds
2736	159.86	Rigid Frame, Dial Type, 350 Foot Pounds
2737	212.50	Dial Type, w/light signal, 600 Foot Pounds
2738	304.00	Dial Type, w/light signal, 1000 Foot Pounds
2739	95.00	Dial Type, special use, 250 Foot Pounds

MACHINISTS TOOLS

3030	2.40	Pocket Scriber, 5/Pkg.
3031	1.70	Scriber With Hook, 5/Box
3032	3.55	Pocket Scriber, 5/Pkg.
3033	4.25	Miniature Screw Driver Set
3034	1.85	Scriber, 10/Pkg.
*3035	1.60	Seal Hook
*3036	7.30	Electrician's Knife
*3037	4.25	Jack-Knife
*3038	3.50	Telescoping Pocket Magnet
3065	4.05	Mach. Rule, English & Metric
3066	4.05	Machinists Rule, 6"
3067	4.05	Flexible Rule, 6"
3068	5.20	Narrow Rule, 6"
3069	10.00	Depth Gage
3070	1.30	6" Pocket Scale, 10/Pkg.
3071	1.30	Pocket Rule, English & Metric
*3072	6.20	12" Stainless English/Metric Rule
*3073	4.05	6" Stainless English/Metric Rule
3080	4.70	Drill Gage, English
3081	4.70	Drill Gage, Metric
3120	22.65	Machinists Square, 12"
3121	10.35	Blade, only for 12" Square
3122	33.80	Machinists Square, 12" with Center Head
3123	55.10	Mach. Sq. 12" with Center Head & Protr.
3124	10.75	Center Head, only for 12" Square
3125	25.65	Protractor, only for 12" Square
3304	8.35	Dividers, 4"
3306	8.65	Dividers, 6"
3308	10.40	Dividers, 8"
3314	8.05	Calipers, 4" Outside
3316	8.70	Calipers, 6" Outside
3318	10.05	Calipers, 8" Outside
3324	8.05	Calipers, 4" Inside
3326	8.70	Calipers, 6" Inside
3328	10.05	Calipers, 8" Inside
3334	10.00	Calipers, 4" Hermaphrodite
3424	8.00	Thread Gage
3425	8.00	Thread Gage, Metric

STANDARD TEST GAGES

401	3.90	1"	401M	25 mm
402	5.15	2"	402M	50 mm
403	6.20	3"	403M	75 mm
404	7.25	4"	404M	100 mm
405	8.25	5"	405M	125 mm
407	30.75	Set, 1"-5"	407M	Set, 25 — 125mm

Central

TOOL COMPANY, INC.
Cranston, R. I. 02910 U.S.A.

ETD INC.
751 East Broadway
DES MOINES, IOWA 50313
Ph. 282-7446

EFFECTIVE JAN. 1, 1979

SHEET No. J7879

JOBBER NET PRICES

SUPERSEDES ALL PREVIOUS SHEETS
MINIMUM BILLING $5.00 F.O.B. CRANSTON, R. I.
*New Item

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CARBIDE FACES AND .0001 GRADUATIONS available on all micrometers, except metric, designate with CV, (i.e., 12RLCV). Add 5.85 per micrometer to price shown.

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11RL	25.13	Micrometer 0-1", Full Finished
12	17.64	Micrometer 0-1", I Beam Frame
12R	19.35	Micrometer 0-1", I Beam Frame
12RL	20.19	Micrometer 0-1", I Beam Frame
15	24.43	Micrometer, Ball Anvil, Full Finished
15RL	27.19	Micrometer, Ball Anvil, Full Finished
22	21.77	Micrometer 1"-2", I Beam Frame
22RL	24.43	Micrometer 1"-2", I Beam Frame
25	19.67	Micrometer, Ball Anvil, I Beam Frame
25RL	22.40	Micrometer, Ball Anvil, I Beam Frame
28LC	29.82	Micrometer, Disc Brake .300"-1.300"
29L	29.82	Micrometer, Disc Brake .300"-1.300"
30	77.84	Set, Micrometers (3) 0-3"
30RL	85.54	Set, Micrometers (3) 0-3"
32	24.50	Micrometer 2"-3", I Beam Frame
32RL	27.12	Micrometer 2"-3", I Beam Frame
33	114.69	Set, Special Automotive
34	157.95	Set, Special Automotive
35	84.14	Set, Micrometers (3) 0-3"
35RL	91.80	Set, Micrometers (3) 0-3"
40	111.47	Set, Micrometers (4) 0-4"
40RL	121.83	Set, Micrometers (4) 0-4"
42	27.26	Micrometer 3"-4", I Beam Frame
42RL	30.03	Micrometer 3"-4", I Beam Frame
44L	57.82	Range Micrometer 0-4"
45	118.16	Set, Micrometers (4) 0-4"
45RL	128.45	Set, Micrometers (4) 0-4"
50LC	35.73	Micrometer 1½"-2½", Carbide Faces
52	31.11	Micrometer 4"-5", I Beam Frame
52RL	33.70	Micrometer 4"-5", I Beam Frame
53LC	33.60	Micrometer 2½"-3½", Carbide Faces
55	15.22	Micrometer Head
55R	16.83	Micrometer Head
60	195.40	Set, Micrometers (6) 0-6"
60RL	211.19	Set, Micrometers (6) 0-6"
62	35.24	Micrometer 5"-6", I Beam Frame
62RL	37.87	Micrometer 5"-6", I Beam Frame
65	202.09	Set, Micrometers (6) 0-6"
65RL	217.52	Set, Micrometers (6) 0-6"
71	25.93	Micrometer 0-1", Full Finished
71L	26.95	Micrometer 0-1", Full Finished

No.	JOBBER Net	
80	40.14	Inside Micrometer 1½-8", Tubular Type
81	47.60	Inside Micrometer 1½-12", Tubular Type
85	33.39	Inside Micrometer 2-8", Rod Type
86	42.80	Inside Micrometer 2-12½", Rod Type
99	198.17	Precision Tool Mart
103	33.00	Depth Micrometer 0-3", 2½" Base
106	43.92	Depth Micrometer 0-6", 2½" Base
143	38.71	Depth Micrometer 0-3", 4" Base
146	49.21	Depth Micrometer 0-6", 4" Base
150	13.96	Supreme Micrometer, 0-1"
200	31.29	Universal Dial Indicator Set 0-100
201	31.29	Universal Dial Indicator Set 0-50-0
202	37.94	Dial Indicator Set 0-100
203	37.94	Dial Indicator Set 0-50-0
204	50.19	10th Reading Dial Indicator Set
205	5.25	Pocket Caliper, 0-4"
206	29.40	Vernier Caliper, 0-6"
208	31.15	Vernier Caliper with Fine Adjustment, 0-6"
210	50.64	Dial Caliper, 0-6"
214	14.56	Brake Drum Wear Limit Gage 8"-14"
216	18.13	Brake Drum Wear Limit Gage 12"-16½"
*217	14.66	Plastic Dial Caliper
*218	14.66	Plastic Dial Caliper (Metric)
222	25.69	Heavy Duty Telescoping Gage Set
223	40.00	Heavy Duty Telescoping Gage Set
227	86.38	Crankshaft Main Journal Gage
230	27.58	Small Hole Gage Set
231	15.68	Magnetic Base
232	2.97	Roller Contact
233	24.53	Magnetic Base
235	26.35	Hand Held Tachometer
237	9.83	Angle Finder
257	64.64	Cylinder Bore Gage
258	42.03	Cylinder Bore Gage
260	44.41	1" Range Dial Indicator Set
263	27.40	Timing Gage
263M	27.40	Timing Gage, Metric
265	5.25	Extender Kit
266	9.87	Head Off Kit
267	27.40	Timing Gage
267M	27.40	Timing Gage, Metric
273	20.65	Timing Tester
275	35.98	Angle Timing Gage
276	13.58	Angle Adaptor

(CONTINUED OTHER SIDE)

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ETD INC.
751 East Broadway
DES MOINES, IOWA 50313
Ph. 282-7446

Central

EFFECTIVE JAN. 1, 1979

SHEET No. J7879

JOBBER NET PRICES

SUPERSEDES ALL PREVIOUS SHEETS
MINIMUM BILLING $5.00 F.O.B. CRANSTON, R. I.
*New Item

No.	JOBBER Net	
277	54.32	Master Timing Set
278	28.42	Motorcycle Timing Gage
279	64.78	Cummins Injector Gage
280	24.78	Disc Brake Rotor Thickness Gage
281	24.78	Disc Brake Runout Indicator Set
282	63.77	Ball Joint Gage
283	40.46	Magnetic Base and Flex Arm
284	20.30	Warp and Alignment Gage
285	9.80	Inspect-a-lite
286	33.14	Valve Seat Gage, 3/8"
287	33.14	Valve Seat Gage, 3/8" + 010."
288	33.14	Valve Seat Gage, 7/16"
289	39.13	Sleeve Height and Counterbore Gage
290	67.69	Master set, valve stem height & spec. set
291	35.38	Valve stem height gage
292	46.41	Valve stem specification gage
293	8.89	Valve stem specification gage stand
294	62.75	Turbocharger Indicator Set
295	70.03	Tire & Wheel Runout Gage
*296	30.06	Precision Straight Edge
*297	71.64	Heavy Duty Indicator Set
712L	20.19	Micrometer 0-1", I Beam - Friction Thimble
715L	27.19	Micrometer, Ball Anvil, Full Finished
722L	24.43	Micrometer 1"-2", I Beam - Friction Thimble
725L	22.40	Micrometer Ball Anvil, Friction Thimble
730L	85.54	Set, Micrometers (3) 0-3", Friction Thimble
732L	27.12	Micrometer 2"-3", I Beam - Friction Thimble
735L	91.80	Set, Micrometers (3) 0-3", Friction Thimble
740L	121.83	Set, Micrometers (4) 0-4", Friction Thimble
742L	30.03	Micrometer 3"-4", I Beam - Friction Thimble
744L	57.82	Range Micrometer 0-4", Friction Thimble
745L	128.45	Set, Micrometers (4) 0-4", Friction Thimble
750LC	35.73	Micrometer 1½"-2½", Friction Thimble
752L	33.70	Micrometer 4"-5", I Beam - Friction Thimble
753LC	33.60	Micrometer 2½"-3½", Friction Thimble
760L	211.19	Set Micrometers (6), 0-6", Friction Thimble
762L	37.87	Micrometer 5"-6", I Beam - Friction Thimble
765L	217.52	Set, Micrometers (6) 0-6", Friction Thimble

TORQUE WRENCHES AND TORQUE MULTIPLIERS

2020R	46.54	Micrometer Type, 200 Inch Pounds
2025R	43.67	Micrometer Type, 250 Inch Pounds
2100R	46.34	Micrometer Type, 100 Foot Pounds
2251	56.17	Micrometer Type, Flex Head
2252	52.20	Micrometer Type, Dual Scale
2253	32.37	Micrometer Type, 150 Foot Pounds
2601	187.21	Micrometer Type, 600 Foot Pounds
2601R	216.01	Micrometer Type, 600 Foot Pounds
2700	664.80	Micrometer Type, 2000 Foot Pounds
2722	160.54	Torque Multiplier, 1000 Foot Pounds
2723	241.75	Torque Multiplier, 2000 Foot Pounds
2724	548.83	Torque Multiplier, 4000 Foot Pounds
2725	914.71	Torque Multiplier, 8,000 Foot Pounds
2726	1236.73	Torque Multiplier, 12,000 Foot Pounds
2727	295.88	Torque Multiplier, Anti-Backlash
2728	788.71	Torque Multiplier, Double Reduction
2730	24.13	Torky
2731	41.07	Rigid Frame, Dial Type, 250 Inch Pounds
2732	56.17	Rigid Frame, Dial Type, 250 Foot Pounds
2733	129.17	Rigid Frame, Dial Type, 600 Foot Pounds
2734	196.88	Rigid Frame, Dial Type, 1000 Foot Pounds
2735	39.97	Rigid Frame, Dial Type, 150 Inch Pounds
2736	106.58	Rigid Frame, Dial Type, 350 Foot Pounds
2737	141.67	Dial Type, w/light signal, 600 Foot Pounds
2738	202.68	Dial Type, w/light signal, 1000 Foot Pounds
2739	63.34	Dial Type, Special Use, 250 Foot Pounds

MACHINISTS TOOLS

3030	1.68	Pocket Scriber, 5/Pkg.
3031	1.19	Scriber with Hook, 5/Box
3032	2.48	Pocket Scriber, 5/Pkg.
3033	2.97	Miniature Screw Driver Set
3034	1.29	Scriber, 10/Pkg.
*3035	1.12	Seal Hook
*3036	5.11	Electrician's Knife
*3037	2.97	Jack-Knife
*3038	2.45	Telescoping Pocket Knife
3065	2.83	Machinists' Rule, English & Metric
3066	2.83	Machinists Rule, 6"
3067	2.83	Flexible Rule, 6"
3068	3.64	Narrow Rule, 6"
3069	7.00	Depth Gage
3070	.91	6" Pocket Scale, 10/Pkg.
3071	.91	Pocket Rule, English & Metric
*3072	4.34	12" Stainless English/Metric Rule
*3073	2.83	6" Stainless English/Metric Rule
3080	3.29	Drill Gage, English
3081	3.29	Drill Gage, Metric
3120	15.85	Machinists Square, 12"
3121	7.24	Blade, only for 12" Square
3122	23.66	Machinists Square, 12" with Center Head
3123	38.57	Mach. Sq., 12" with Center Head & Protr.
3124	7.52	Center Head, only for 12" Square
3125	17.95	Protractor, only for 12" Square
3304	5.84	Dividers, 4"
3306	6.05	Dividers, 6"
3308	7.28	Dividers, 8"
3314	5.63	Calipers, 4" Outside
3316	6.09	Calipers, 6" Outside
3318	7.03	Calipers, 8" Outside
3324	5.63	Calipers, 4" Inside
3326	6.09	Calipers, 6" Inside
3328	7.03	Calipers, 8" Inside
3334	7.00	Calipers, 4" Hermaphrodite
3424	5.60	Thread Gage
3425	5.60	Thread Gage, Metric

STANDARD TEST GAGES

401	2.73	1"	401M	2.73	25 mm
402	3.60	2"	402M	3.60	50 mm
403	4.34	3"	403M	4.34	75 mm
404	5.07	4"	404M	5.07	100 mm
405	5.77	5"	405M	5.77	125 mm
407	21.52	Set, 1"-5"	407M	21.52	Set, 25-125 mm